

Table 6  
Draft MicroVac Analytical Results  
Fruitland Magnesium Fire  
Maywood, Los Angeles County, California

Parameters	Home:	Ex. 6 - Personal Privacy						
	Field Sample ID:	MWF-VAC-001	MWF-VAC-002	MWF-VAC-003 **	MWF-VAC-005 **	MWF-VAC-201	MWF-VAC-203	MWF-VAC-204
	Sample Date:	6/26/2016	6/26/2016	6/30/2016	7/1/2016	6/28/2016	6/28/2016	6/28/2016
	Laboratory Job Number:	82856	82856	82950	82949	82873	82873	82873
	Units							
Metals / NIOSH-7303(M)								
Aluminum	µg/m <sup>2</sup>	92.8	57	31.8 *	154.6	8.46 *	93.2 *	35.4 *
Antimony	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Arsenic	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Barium	µg/m <sup>2</sup>	12	7.78	1.7	14.22	6.02	10.6	5.54
Beryllium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cadmium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	6.98	ND<0.075
Calcium	µg/m <sup>2</sup>	19.4		ND<0.075 *	800			112 *
Chromium	µg/m <sup>2</sup>	8.64	1.76	1.76	1.92			ND<0.075
Cobalt	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Copper	µg/m <sup>2</sup>	5.6	2.06	ND<0.075	3.54	9.94	ND<0.075	ND<0.075
Iron	µg/m <sup>2</sup>		100	31.6	246	10.64	138.8	45.2
Lead	µg/m <sup>2</sup>		ND<0.075	ND<0.075	4.54	ND<0.075	ND<0.075	ND<0.075
Magnesium	µg/m <sup>2</sup>			40	3460		606 *	316 *
Manganese	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	3.3	ND<0.075	ND<0.075	ND<0.075
Molybdenum	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Nickel	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Potassium	µg/m <sup>2</sup>	ND<0.075	ND<0.075			ND<0.075	78	23.4
Selenium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Sodium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075 *	ND<0.075	92	ND<0.075	130
Thallium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Vanadium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Zinc	µg/m <sup>2</sup>	20.4	22.8	4.64	19.66	5.86	19.7	8.28

Notes:  
**Bold** results exceed applicable limits for characteristic hazardous wastes.  
ND<X = constituents(s) not detected at or above method detection limit  
\* = Trace level of target analyte was detected in the associated field blank and the result was adjusted by field blank concentration  
µg/m<sup>2</sup> = microgram per square meter  
\*\* = Sample data has been validated

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Parameters	Home:	Ex. 6 - Personal Privacy						
	Field Sample ID:	MWF-VAC-215 **	MWF-VAC-216 **	MWF-VAC-217 **	MWF-VAC-218 **	MWF-VAC-219 **	MWF-VAC-220 **	MWF-VAC-221 **
	Sample Date:	6/30/2016	6/30/2016	6/30/2016	6/30/2016	6/30/2016	6/30/2016	6/30/2016
	Laboratory Job Number:	82950	82950	82950	82950	82950	82950	82950
	Units							
Metals / NIOSH-7303(M)								
Aluminum	µg/m <sup>2</sup>	ND<0.075 *	98.6 *	5.9 *	ND<0.075 *	8 *	76 *	1.64 *
Antimony	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Arsenic	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Barium	µg/m <sup>2</sup>	ND<0.075	10.86	2.82	ND<0.075	ND<0.075	82.8	16.92
Beryllium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cadmium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Calcium	µg/m <sup>2</sup>	ND<0.075 *		31.6 *	ND<0.075 *			410 *
Chromium	µg/m <sup>2</sup>	1.66		2.16	ND<0.075			2.32
Cobalt	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Copper	µg/m <sup>2</sup>	ND<0.075	2.62	ND<0.075	ND<0.075	ND<0.075	12.28	3.76
Iron	µg/m <sup>2</sup>	ND<0.075	75	ND<0.075	ND<0.075	ND<0.075	410	248
Lead	µg/m <sup>2</sup>	ND<0.075	2	ND<0.075	ND<0.075	ND<0.075	3.66	2.36
Magnesium	µg/m <sup>2</sup>			128.6		8.46	1286	496
Manganese	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	15.9	6.76
Molybdenum	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Nickel	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Potassium	µg/m <sup>2</sup>	3.4	40.4	ND<0.075	ND<0.075	11.36	147	145.6
Selenium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Sodium	µg/m <sup>2</sup>	ND<0.075 *	27.4 *		ND<0.075 *	21.4 *	ND<0.075	ND<0.075
Thallium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Vanadium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	2.56	1.76	ND<0.075
Zinc	µg/m <sup>2</sup>	ND<0.075	12.84	ND<0.075	ND<0.075	3.48	70.4	23

Notes:  
**Bold** results exceed applicable limits for characterization  
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\* = Trace level of target analyte was detected  
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Parameters	Home:	Ex. 6 - Personal Privacy						
	Field Sample ID:	MWF-VAC-222 **	MWF-VAC-223 **	MWF-VAC-300	MWF-VAC-301	MWF-VAC-302 **	MWF-VAC-303 **	MWF-VAC-304 **
	Sample Date:	6/30/2016	6/30/2016	6/30/2016	6/30/2016	7/1/2016	7/1/2016	7/1/2016
	Laboratory Job Number:	82950	82950	82950	82950	82949	82949	82949
	Units							
Metals / NIOSH-7303(M)								
Aluminum	µg/m <sup>2</sup>	127.6 *	133 *	146 *	274 *	56	14.5	202
Antimony	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Arsenic	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Barium	µg/m <sup>2</sup>	9.96	5.56	8.16	7.82	ND<0.075	ND<0.075	8.76
Beryllium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cadmium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Calcium	µg/m <sup>2</sup>	644 *		468 *	788 *			1056
Chromium	µg/m <sup>2</sup>	2.26		2.42	2.42			2.36
Cobalt	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Copper	µg/m <sup>2</sup>	8	2.94	3.54	3.26	2.8	ND<0.075	4.88
Iron	µg/m <sup>2</sup>		226	238	416	72	ND<0.075	344
Lead	µg/m <sup>2</sup>		1.68	1.68	3.98	1.8	ND<0.075	2.48
Magnesium	µg/m <sup>2</sup>			214	175.6		11.96	191
Manganese	µg/m <sup>2</sup>			2.2	1.16	ND<0.075	ND<0.075	7.3
Molybdenum	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Nickel	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Potassium	µg/m <sup>2</sup>	78	130.6			50	ND<0.075	218
Selenium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Sodium	µg/m <sup>2</sup>	ND<0.075	ND<0.075 *	ND<0.075 *	ND<0.075	124.6	78.6	63.6
Thallium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Vanadium	µg/m <sup>2</sup>	ND<0.075	1.52	ND<0.075	13.76	ND<0.075	ND<0.075	ND<0.075
Zinc	µg/m <sup>2</sup>	18.18	18.48	16.38	22.4	6.2	ND<0.075	25.8

Notes:  
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Parameters	Home:	Ex. 6 - Personal Privacy						
	Field Sample ID:	MWF-VAC-305 **	MWF-VAC-306 **	MWF-VAC-307 **	MWF-VAC-308 **	MWF-VAC-309 **	MWF-VAC-310 **	MWF-VAC-311 **
	Sample Date:	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016
	Laboratory Job Number:	82949	82949	82949	82954	82954	82954	82954
	Units							
Metals / NIOSH-7303(M)								
Aluminum	µg/m <sup>2</sup>	7	218	4.06	15.68	21.2	13.62	19.94
Antimony	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Arsenic	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Barium	µg/m <sup>2</sup>	ND<0.075	8.36	ND<0.075	ND<0.075	2.16	ND<0.075	ND<0.075
Beryllium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cadmium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Calcium	µg/m <sup>2</sup>	65.6		48	95			147
Chromium	µg/m <sup>2</sup>	ND<0.075	2.16	ND<0.075	1.68			1.9
Cobalt	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Copper	µg/m <sup>2</sup>	ND<0.075	3.72	ND<0.075	ND<0.075	2.1	ND<0.075	ND<0.075
Iron	µg/m <sup>2</sup>	ND<0.075	586	ND<0.075	25.4	28.4	30.4	46.4
Lead	µg/m <sup>2</sup>	ND<0.075	2.46	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Magnesium	µg/m <sup>2</sup>			8.56	25.8		43.6	36
Manganese	µg/m <sup>2</sup>	ND<0.075		ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Molybdenum	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Nickel	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Potassium	µg/m <sup>2</sup>	ND<0.075	322	ND<0.075		ND<0.075	5.74	48.8
Selenium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Sodium	µg/m <sup>2</sup>	63.6	ND<0.075		8	70.4	144.4	127.6
Thallium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Vanadium	µg/m <sup>2</sup>	ND<0.075	2	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Zinc	µg/m <sup>2</sup>	ND<0.075	20.2	ND<0.075	2.8	4.7	3.44	4.5

Notes:  
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Parameters	Home:	Ex. 6 - Personal Privacy						
	Field Sample ID:	MWF-VAC-312 **	MWF-VAC-313 **	MWF-VAC-315 **	MWF-VAC-316 **	MWF-VAC-317 **	MWF-VAC-318 **	MWF-VAC-319 **
	Sample Date:	7/2/2016	7/2/2016	7/2/2016	7/2/2016	7/2/2016	7/2/2016	7/2/2016
	Laboratory Job Number:	83087	83087	83087	83087	83087	83087	83087
	Units							
Metals / NIOSH-7303(M)								
Aluminum	µg/m <sup>2</sup>	26.4	200	7.74	83	428	12.46	4.5
Antimony	µg/m <sup>2</sup>	ND<0.075	8.28	ND<0.075	2.64	11.56	ND<0.075	ND<0.075
Arsenic	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	3.02	ND<0.075	ND<0.075
Barium	µg/m <sup>2</sup>	ND<0.075	390	ND<0.075	49.6	155.6	ND<0.075	ND<0.075
Beryllium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cadmium	µg/m <sup>2</sup>	ND<0.075	4.78	ND<0.075	ND<0.075	1.7	ND<0.075	ND<0.075
Calcium		89	34	1576				38.4
Chromium	µg/m <sup>2</sup>	ND<0.075	19.72	ND<0.075	2.74			ND<0.075
Cobalt	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	2.66	ND<0.075	ND<0.075
Copper	µg/m <sup>2</sup>	ND<0.075	262	ND<0.075	19.72	89.6	ND<0.075	ND<0.075
Iron	µg/m <sup>2</sup>	ND<0.075	1270	6	856	4560	26	9
Lead	µg/m <sup>2</sup>	ND<0.075	65.2	ND<0.075	8.74	84	ND<0.075	ND<0.075
Magnesium	µg/m <sup>2</sup>		15.5		722		12.5	6.46
Manganese	µg/m <sup>2</sup>	ND<0.075	41	ND<0.075	55.78	36.2	ND<0.075	ND<0.075
Molybdenum	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	6.58	ND<0.075	ND<0.075
Nickel	µg/m <sup>2</sup>	ND<0.075	8.28	ND<0.075		17.64	ND<0.075	ND<0.075
Potassium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	176	14.5	ND<0.075
Selenium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Sodium		ND<0.075	128.4		12	244	80.6	41
Thallium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Vanadium	µg/m <sup>2</sup>	ND<0.075	2.46	ND<0.075	ND<0.075	7.36	ND<0.075	ND<0.075
Zinc	µg/m <sup>2</sup>	3	562	ND<0.075	126	488	ND<0.075	ND<0.075

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Parameters	Home:	Ex. 6 - Personal Privacy						
	Field Sample ID:	MWF-VAC-320 **	MWF-VAC-321 **	MWF-VAC-322 **	MWF-VAC-323 **	MWF-VAC-324 **	MWF-VAC-325 **	MWF-VAC-405 **
	Sample Date:	7/2/2016	7/2/2016	7/5/2016	7/5/2016	7/1/2016	7/5/2016	7/10/2016
	Laboratory Job Number:	83087	83087	83087	83087	82954	83087	83144
	Units							
Metals / NIOSH-7303(M)								
Aluminum	µg/m <sup>2</sup>	7	137.4	3.26	ND<0.075	154.8	224	139.6
Antimony	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	1.896
Arsenic	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Barium	µg/m <sup>2</sup>	ND<0.075	27.6	ND<0.075	ND<0.075	56.2	26.6	30.6
Beryllium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cadmium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Calcium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	38			
Chromium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Cobalt	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Copper	µg/m <sup>2</sup>	ND<0.075	30.8	ND<0.075	ND<0.075	34.8	12.18	14.88
Iron	µg/m <sup>2</sup>	17.7	288	ND<0.075	ND<0.075	1978	432	186
Lead	µg/m <sup>2</sup>	ND<0.075	11.84	ND<0.075	ND<0.075	29.4	7.74	4.6
Magnesium	µg/m <sup>2</sup>	6.04		3.1			218	536
Manganese	µg/m <sup>2</sup>	ND<0.075	6.9	ND<0.075	ND<0.075	38	8.28	6.02
Molybdenum	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Nickel	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	4.3	3.38	ND<0.075
Potassium	µg/m <sup>2</sup>	ND<0.075	66.4	ND<0.075	ND<0.075	1312	ND<0.075	7.5
Selenium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Sodium	µg/m <sup>2</sup>	30	93.4	37	11.5	98	ND<0.075	58
Thallium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075	ND<0.075
Vanadium	µg/m <sup>2</sup>	ND<0.075	ND<0.075	ND<0.075	ND<0.075	4.14	ND<0.075	ND<0.075
Zinc	µg/m <sup>2</sup>	ND<0.075	19.14	ND<0.075	ND<0.075	199.4	60.8	39

Notes:  
**Bold** results exceed applicable limits for characterization  
ND<X = constituents(s) not detected at or above the detection limit  
\* = Trace level of target analyte was detected  
µg/m<sup>2</sup> = microgram per square meter  
\*\* = Sample data has been validated